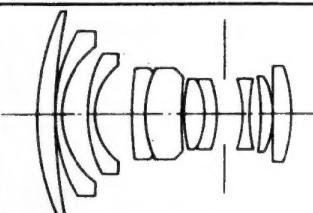


**40mm F4**



Lens construction: 10 elements 8 groups  
 Angle of view: 82° 30'  
 F/numbers: 4 to 22  
 Diaphragm: Fully automatic  
 Minimum focus: 40cm (1.3 ft.)  
 Electronic leaf shutter: Seiko #0

Shutter speeds: 8 sec. to 1/500 sec.  
 plus T (time exposure)  
 Filter size: 62mm screw-in type  
 Length: 65mm  
 Weight: 508 grams (1.11 lbs.)  
 Equivalent 35mm focal length: 25mm

■ Depth of field scale

distance aperture	meter											
	∞	5	3	2	1.5	1.2	1	0.8	0.7	0.6	0.5	0.4
4	∞	17.7	5.16	2.74	1.86	1.41	1.14	0.88	0.76	0.64	0.52	0.41
	6.85	2.94	2.13	1.58	1.26	1.05	0.90	0.74	0.65	0.57	0.48	0.39
5.6	∞	∞	7.25	3.21	2.06	1.52	1.20	0.92	0.78	0.66	0.54	0.42
	4.94	2.54	1.91	1.47	1.19	1.00	0.86	0.71	0.64	0.55	0.47	0.38
8	∞	∞	18.1	4.31	2.45	1.71	1.31	0.98	0.82	0.68	0.55	0.43
	3.52	2.11	1.67	1.32	1.09	0.93	0.81	0.68	0.61	0.54	0.46	0.38
11	∞	∞	∞	8.54	3.36	2.09	1.52	1.08	0.89	0.73	0.58	0.44
	2.51	1.72	1.42	1.16	0.99	0.86	0.76	0.64	0.58	0.52	0.45	0.37
16	∞	∞	∞	∞	7.25	3.08	1.96	1.27	1.01	0.80	0.62	0.46
	1.80	1.36	1.17	1.00	0.87	0.77	0.69	0.60	0.55	0.49	0.43	0.36
22	∞	∞	∞	∞	∞	10.0	3.38	1.70	1.26	0.93	0.69	0.49
	1.30	1.06	0.95	0.84	0.75	0.68	0.62	0.54	0.50	0.46	0.40	0.34

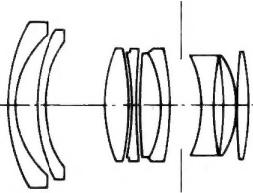
distance aperture	feet											
	∞	20	10	7	5	4	3	2.5	2	1.75	1.5	1.25
4	∞	170	17.4	9.85	6.24	4.72	3.36	2.73	2.13	1.84	1.56	1.29
	22.5	10.8	7.06	5.46	4.19	3.48	2.72	2.31	1.89	1.67	1.44	1.22
5.6	∞	∞	24.8	11.8	6.92	5.09	3.53	2.84	2.19	1.89	1.59	1.30
	16.2	9.12	6.34	5.03	3.94	3.31	2.62	2.24	1.84	1.64	1.42	1.20
8	∞	∞	66.2	16.5	8.26	5.75	3.82	3.01	2.28	1.95	1.63	1.33
	11.5	7.47	5.52	4.51	3.63	3.10	2.49	2.15	1.79	1.59	1.39	1.18
11	∞	∞	∞	39.5	11.5	7.07	4.32	3.29	2.43	2.05	1.69	1.36
	8.23	5.97	4.68	3.95	3.27	2.84	2.33	2.04	1.71	1.54	1.35	1.16
16	∞	∞	∞	∞	26.0	10.6	5.33	3.82	2.68	2.21	1.79	1.42
	5.90	4.67	3.87	3.37	2.87	2.55	2.14	1.90	1.62	1.47	1.30	1.13
22	∞	∞	∞	∞	∞	38.7	8.10	4.97	3.15	2.50	1.96	1.50
	4.25	3.60	3.12	2.80	2.47	2.23	1.92	1.73	1.51	1.38	1.24	1.08

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Printed in Japan  
 E31284H

## 50mm F2.8



Lens construction: 9 elements 8 groups  
 Angle of view: 70°  
 F/numbers: 2.8 to 22  
 Diaphragm: Fully automatic  
 Minimum focus: 50 cm (1.6 ft.)  
 Electronic leaf shutter: Seiko #0

Shutter speeds: 8 sec. to 1/500 sec.  
 plus T (time exposure)  
 Filter size: 62mm screw-in type  
 Length: 62mm  
 Weight: 484 grams (1.06 lbs.)  
 Equivalent 35mm focal length: 30mm

### ■ Depth of field scale

distance aperture	meter											
	∞	10	5	3	2	1.5	1.2	1	0.8	0.7	0.6	0.5
2.8	∞	28.8	7.35	3.69	2.27	1.64	1.29	1.06	0.83	0.72	0.62	0.51
	15.2	6.07	3.80	2.53	1.79	1.38	1.13	0.95	0.77	0.68	0.59	0.49
4	∞	19.2	9.07	4.06	2.40	1.71	1.32	1.08	0.85	0.73	0.62	0.52
	10.8	5.25	3.47	2.39	1.72	1.34	1.10	0.93	0.76	0.67	0.58	0.49
5.6	∞	∞	13.8	4.77	2.63	1.81	1.38	1.12	0.87	0.75	0.63	0.52
	7.69	4.40	3.08	2.20	1.62	1.28	1.06	0.91	0.74	0.66	0.57	0.48
8	∞	∞	52.2	6.34	3.02	1.99	1.48	1.18	0.90	0.77	0.65	0.53
	5.46	3.58	2.66	1.98	1.51	1.21	1.01	0.87	0.72	0.64	0.56	0.47
11	∞	∞	∞	12.0	3.86	2.30	1.64	1.27	0.95	0.81	0.67	0.54
	3.88	2.84	2.24	1.74	1.37	1.12	0.96	0.83	0.69	0.62	0.54	0.46
16	∞	∞	∞	∞	6.38	2.97	1.94	1.44	1.04	0.87	0.71	0.57
	2.77	2.20	1.83	1.49	1.21	1.07	0.88	0.78	0.66	0.59	0.52	0.45
22	∞	∞	∞	∞	∞	5.15	2.64	1.77	1.19	0.96	0.77	0.60
	1.98	1.68	1.46	1.24	1.05	0.91	0.80	0.71	0.61	0.56	0.50	0.43

distance aperture	feet											
	∞	30	15	10	7	5	4	3.5	3	2.5	2	1.75
2.8	∞	74.2	21.2	12.3	8.03	5.48	4.29	3.71	3.15	2.60	2.06	1.79
	49.7	18.9	11.6	8.42	6.21	4.60	3.75	3.31	2.87	2.41	1.95	1.71
4	∞	184	25.4	13.6	8.54	5.71	4.42	3.81	3.21	2.64	2.08	1.81
	35.6	16.4	10.7	7.92	5.94	4.46	3.66	3.24	2.82	2.38	1.93	1.70
5.6	∞	∞	35.7	16.1	9.41	6.06	4.62	3.95	3.31	2.70	2.12	1.83
	25.2	13.9	9.57	7.30	5.60	4.27	3.53	3.15	2.75	2.33	1.90	1.68
8	∞	∞	85.0	21.6	11.0	6.66	4.95	4.18	3.47	2.80	2.17	1.87
	17.9	11.4	8.33	6.57	5.17	4.03	3.37	3.02	2.65	2.27	1.86	1.65
11	∞	∞	∞	42.1	14.5	7.74	5.50	4.55	3.71	2.94	2.25	1.92
	12.7	9.08	7.06	5.77	4.68	3.73	3.17	2.86	2.53	2.18	1.81	1.61
16	∞	∞	∞	∞	26.7	10.1	6.54	5.22	4.12	3.19	2.37	2.01
	9.08	7.09	5.82	4.93	4.12	3.38	2.67	2.52	2.38	2.08	1.74	1.56
22	∞	∞	∞	∞	∞	18.0	9.00	6.63	4.91	3.60	2.58	2.14
	6.50	5.44	4.68	4.10	3.54	3.00	2.64	2.43	2.20	1.95	1.66	1.50